

AMENDMENTS TO THE CLAIMS

Claims 1-9. (canceled)

Claim 10. (previously presented) An integrative encoding system for encoding and transmitting a plurality of video signals having different resolutions, comprising:

a compression processor for performing hierarchical encoding on the plurality of video signals by selectively replacing pixels of a higher resolution level with pixels from a lower resolution level calculated by combining pixels from said higher resolution level; thereby encoding a hierarchy of resolution levels within the plurality of video signals without increasing the amount of data;

an editing processor for editing the hierarchically encoded plurality of video signals into a bit stream; and

an integrated services digital broadcasting (ISDB) transmitter having:

a time code generator for generating a time code synchronized to the bit stream;

an additive information generator for generating additive information in synch with said synchronous signal; and

a multiplexer for multiplexing said bit stream, said additive information, and said time code into ISDB data for transmission.

Claim 11. (previously presented) The integrative encoding system according to claim 10, wherein said additive information includes computer graphics and network data.

Claim 12. (previously presented) The integrative encoding system according to claim 10, wherein said additive information comprises information of local area interest to a viewer and is identified by an area code.

Claim 13. (previously presented) The integrative encoding system according to claim 10, wherein said plurality of video signals comprises a high definition video signal and a standard definition video signal.

Claim 14. (canceled)